

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	395	(52/219).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 16:44
S2	594	(52/198).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 11:30
S3	391	(52/218).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 13:12
S4	97	(454/356).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 13:53
S5	285	(454/367).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 14:02
S6	141	(454/368).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 14:30
S7	46161	("454").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 14:40
S8	10597	S7 and (Plug protector cap cover screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:41
S9	8480	S8 AND (pipe vent duct exhaust chimney flue ventilator stack)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:14

## EAST Search History

S10	6589	S9 AND (perforation passageway hole slit slot outlet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:50
S11	656	S10 AND (washer adapter adaptor adjuster)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:57
S12	19	("5291707" or "421098" or "1868730" or "6244006" or "5081914" or "4026688" or 4399743 or "5341767").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 15:47
S13	2	("0421098").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 15:48
S14	2	("4399743").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 15:48
S15	2	("5341767").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 15:48
S16	1	("2003/0110554").URPN.	USPAT	OR	ON	2006/06/19 16:05
S17	7	("20020092631"   "20030110554"   "4184414"   "4922557"   "5341767"   "5535559"   "6374425").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 16:10
S18	2	("6805627").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 16:11
S19	885	S8 AND (washer adaptor adapter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:19
S20	569	S8 AND (washer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:21

## EAST Search History

S21	221	S7 AND ((pipe or vent) SAME washer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:34
S22	306	S7 AND ((extension) SAME ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:26
S23	132	S7 AND ((pipe or vent) and(extension) SAME ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:28
S24	74	S7 AND ((pipe or vent) SAME(extension) SAME ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:31
S25	3	S7 AND ((pipe or vent) SAME(adaptor WITH ring))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:31
S26	63	S7 AND ((pipe or vent) WITH washer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:38
S27	8824	S7 AND (pipe or vent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:40
S28	8	S27 and(abutment or abut or abutted) WITH washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 16:41
S33	42	(S1 or S2 or S3 or S4 or S5 or S6) and ((washer WITH pipe) or (adjustment WITH ring) or (adapt\$2 WITH washer) or (adapt\$2 WITH ring))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/19 17:01
S34	2	("7010889").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/19 17:01

## EAST Search History

S35	42	("0501835"   "1234748"   "1263789"   "1494234"   "1646639"   "1710060"   "2173037"   "2768007"   "2784988"   "3224796"   "4150848"   "4249353"   "4364210"   "4433860"   "4730421"   "4840194"   "4901488"   "4934117"   "5351448"   "5417019"   "5456050"   "5887395"   "5947159"   "5970667"   "5970670"   "6176052"   "6360502"   "6561723"   "6601852"   "6627817"   "RE16018").PN. OR ("7010889").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/19 17:02
S36	3	("4041929").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/21 13:21
S37	2	("0115339").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/21 13:21
S38	397	(52/219).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/11 12:10
S39	611	(52/198).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/11 12:10
S40	393	(52/218).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/11 12:10
S41	97	(454/356).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/11 12:10
S42	286	(454/367).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/11 12:10

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S43	141	(454/368).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/11 12:10
S44	0	("2004/0148883").URPN.	USPAT	OR	ON	2007/04/11 12:45
S45	1	("2003/0110554").URPN.	USPAT	OR	ON	2007/04/11 12:50
S46	22	("1811728" "2807368" "3392844" "0380873" "0421098" "0511388" "0770019" "0809667" "0902289").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 12:58
S47	1150	(210/497.01).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/11 13:36
S48	281	(210/497.3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/11 13:07
S49	260	(52/218).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/11 13:07
S50	1	("1573067").URPN.	USPAT	OR	ON	2007/04/11 13:33
S51	16	("0243446"   "1573067"   "3163229"   "3440802").PN. OR ("3817390").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 13:34
S52	1124	S47 NOT (S48 S49)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 13:42
S53	413	(52/16).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/11 13:42
S54	15	("2121613"   "3828931"   "4216790"   "4241547"   "4669232"   "4807406"   "4837987"   "4852308"   "5220755"   "5302283"   "5335460"   "5409602"   "5618416").PN. OR ("5802775").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 13:47
S55	47	("0172341"   "2314315"   "2756078"   "2797955"   "2975805"   "3067783"   "3129020"   "3316928"   "3560441"   "3911954"   "4270572"   "4798028"   "5014745"   "5358007"   "5358066"   "5375891").PN. OR ("3703194"   "5511829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 14:05

## EAST Search History

S56	35	("2347737"   "2988226"   "3007203"   "3036342"   "3099516"   "3182104"   "3270114"   "3388034"   "3493449"   "3598157"   "3608008"   "3703194"   "3703571"   "3745203"   "3819779"   "3860537"   "3941157"   "3986733"   "4028450").PN. OR ("4230346").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 14:09
S57	2	"6799606".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/13 10:45
S58	12	("3311391"   "3800486"   "4212486"   "4883590"   "5377361"   "5921282"   "5996134"   "6076559"   "6085362"   "6092244"   "6595243").PN. OR ("6799606").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 10:45